

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056021.D
 Acq On : 19 Dec 2022 20:11
 Operator : CG/JU
 Sample : N6068-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-201

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : mohammad ahmed 12/20/2022

Quant Time: Dec 20 01:07:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.373	152	11605	20.000	ng	0.00
21) Naphthalene-d8	11.200	136	44201	20.000	ng	# 0.00
39) Acenaphthene-d10	14.977	164	34638	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	87280	20.000	ng	0.00
76) Chrysene-d12	22.022	240	87042	20.000	ng	0.00
86) Perylene-d12	25.524	264	107417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.888	112	59040	119.310	ng	0.00
7) Phenol-d6	7.498	99	73025	114.740	ng	0.00
23) Nitrobenzene-d5	9.543	82	49967	78.998	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	90449	108.293	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	178528	72.286	ng	0.00
79) Terphenyl-d14	20.289	244	349960	71.060	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.751	178	19579	4.281	ng	98
75) Fluoranthene	19.742	202	48222	7.529	ng	99
78) Pyrene	20.101	202	48737	9.253	ng	97
81) Benzo(a)anthracene	21.999	228	31237	5.100	ng	# 93
83) Chrysene	22.069	228	30734	5.354	ng	# 90
84) Bis(2-ethylhexyl)phtha...	21.875	149	8123	3.663	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.537	276	36819	4.263	ng	# 71
88) Benzo(b)fluoranthene	24.402	252	43153	6.207	ng	98
89) Benzo(k)fluoranthene	24.460	252	17645m	2.544	ng	
90) Benzo(a)pyrene	25.348	252	36600	6.228	ng	# 89
91) Dibenzo(a,h)anthracene	29.607	278	16185	2.239	ng	# 84
92) Benzo(g,h,i)perylene	30.800	276	39184	5.606	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

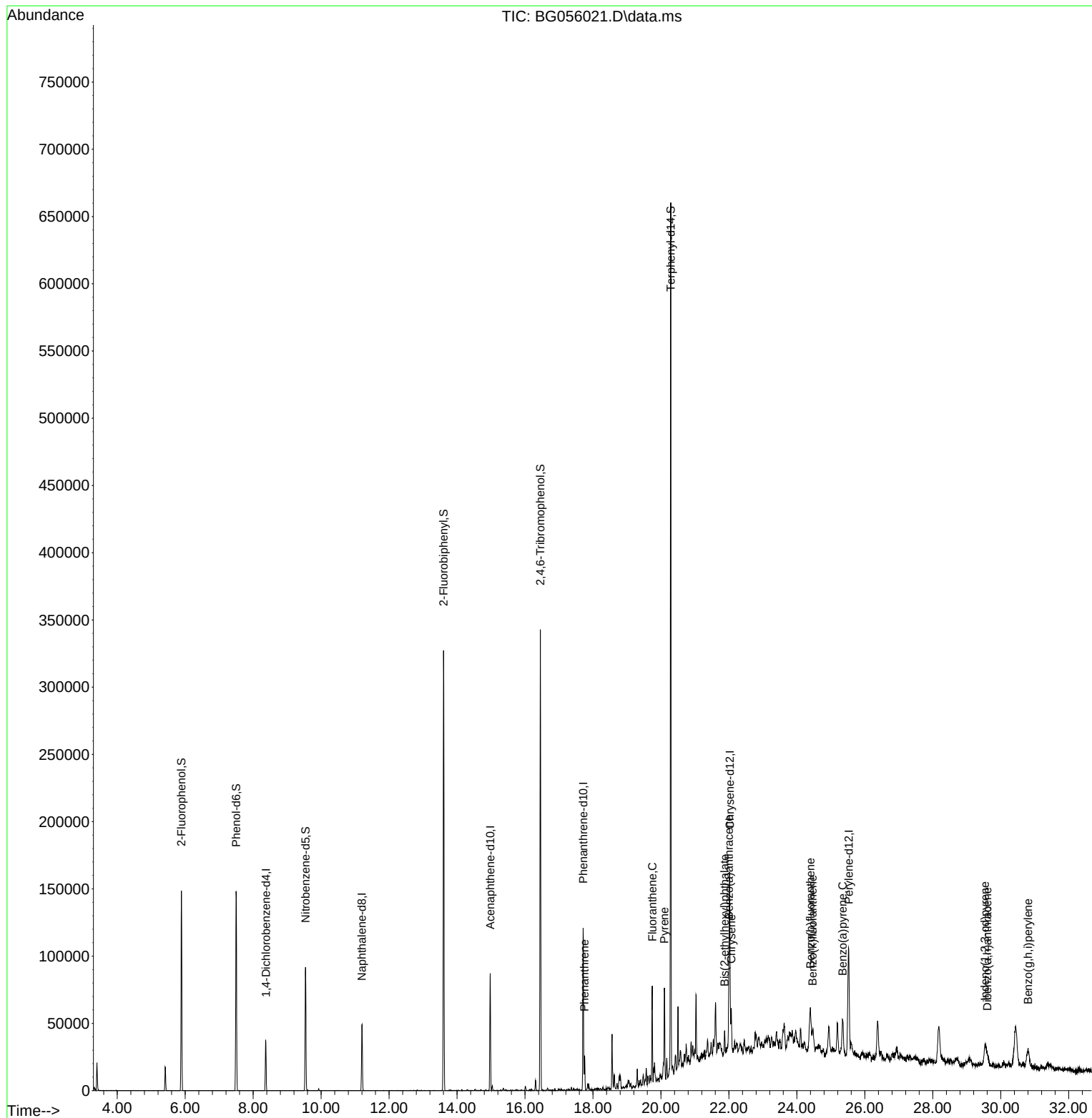
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056021.D
Acq On : 19 Dec 2022 20:11
Operator : CG/JU
Sample : N6068-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

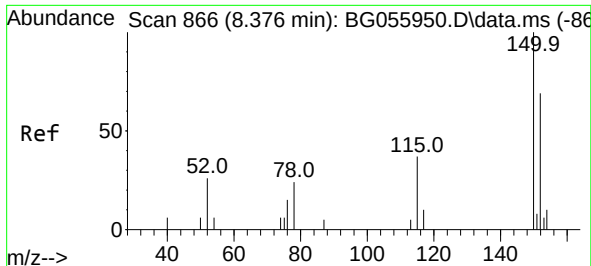
Instrument :
BNA_G
ClientSampleId :
VNJ-201

Quant Time: Dec 20 01:07:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 01:01:12 2022
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Manual Integrations
APPROVED

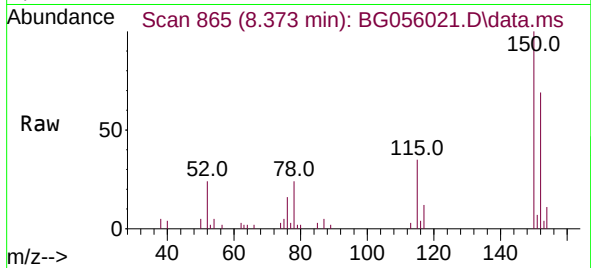
Reviewed By : Christian Giraldo 12/20/2022
Supervised By : mohammad ahmed 12/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.373 min Scan# 866
Delta R.T. 0.009 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

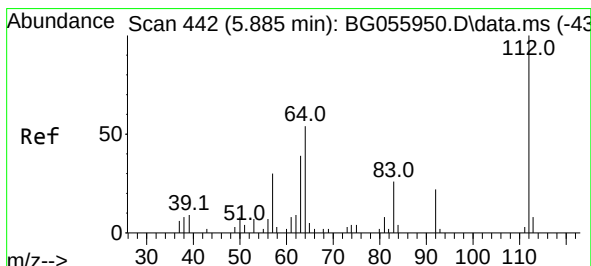
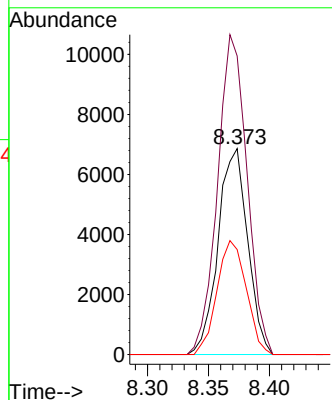
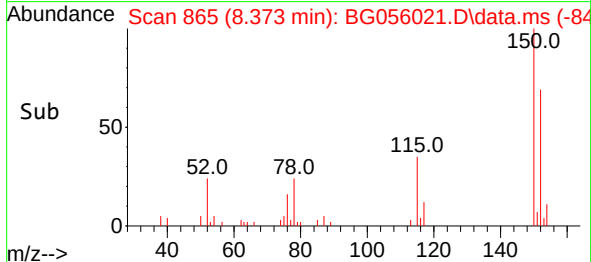
Instrument :
BNA_G
ClientSampleId :
VNJ-201



Tgt Ion:152 Resp: 11605
Ion Ratio Lower Upper
152 100
150 144.9 115.7 173.5
115 51.0 43.0 64.4

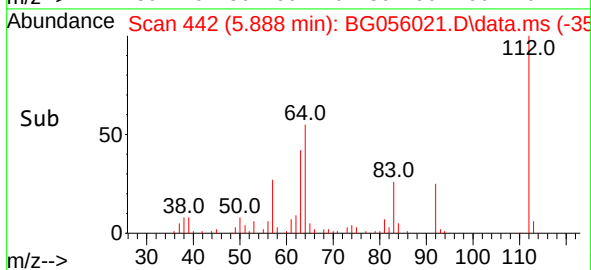
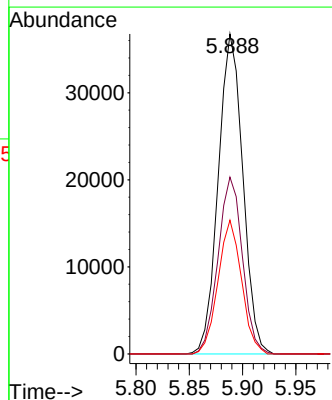
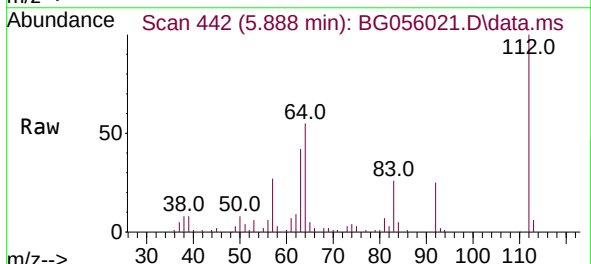
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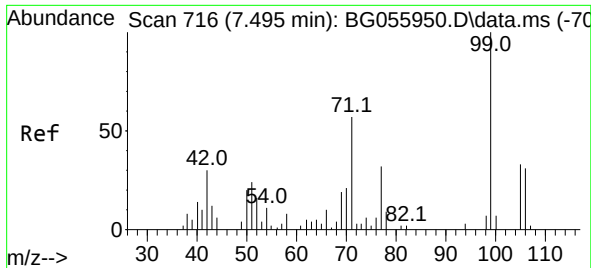
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#5
2-Fluorophenol
Concen: 119.310 ng
RT: 5.888 min Scan# 442
Delta R.T. 0.004 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

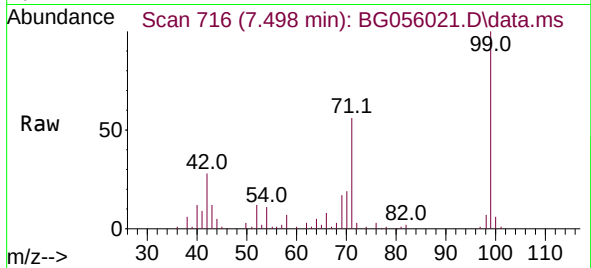
Tgt Ion:112 Resp: 59040
Ion Ratio Lower Upper
112 100
64 55.2 43.0 64.4
63 41.8 31.4 47.2





#7
Phenol-d6
Concen: 114.740 ng
RT: 7.498 min Scan# 716
Delta R.T. 0.004 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

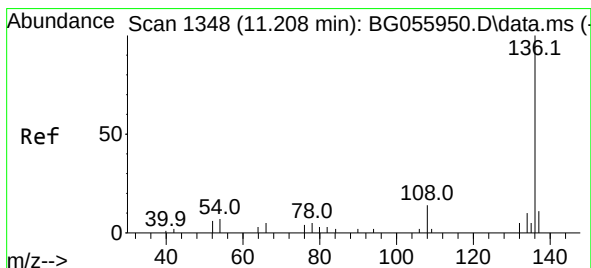
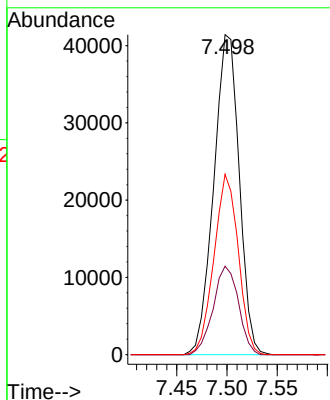
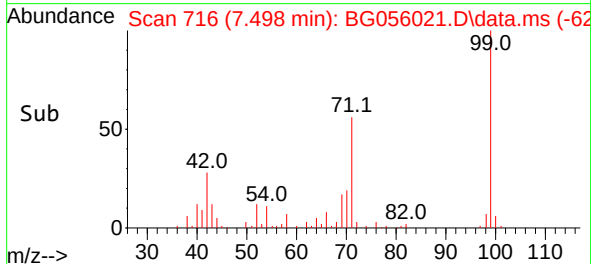
Instrument :
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ClientSampleId :
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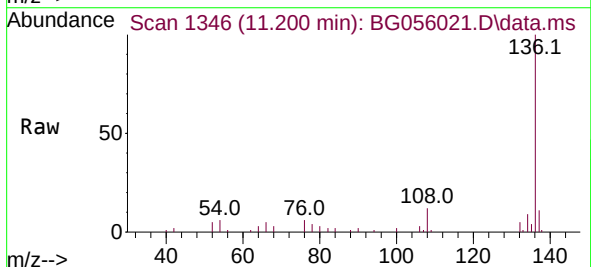
Tgt Ion: 99 Resp: 73025
Ion Ratio Lower Upper
99 100
42 27.7 24.3 36.5
71 56.3 45.6 68.4

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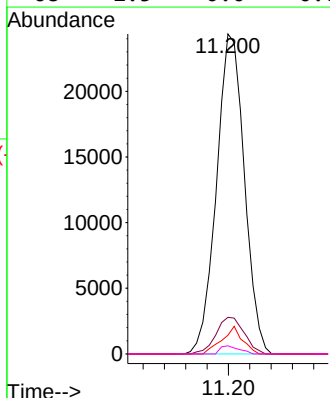
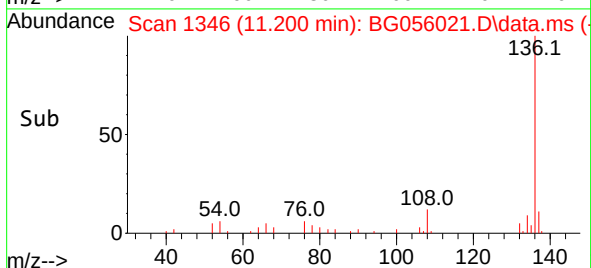
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

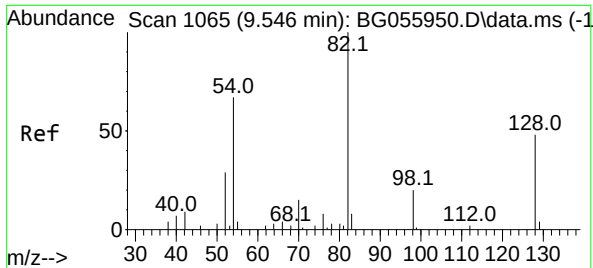


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.200 min Scan# 1346
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11



Tgt Ion:136 Resp: 44201
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 5.8 5.6 8.4
68 2.5 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 78.998 ng

RT: 9.543 min Scan# 1064

Delta R.T. -0.002 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Instrument :

BNA_G

ClientSampleId :

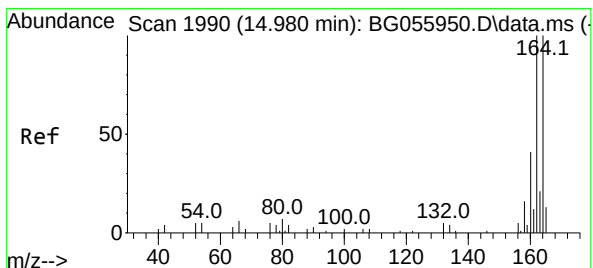
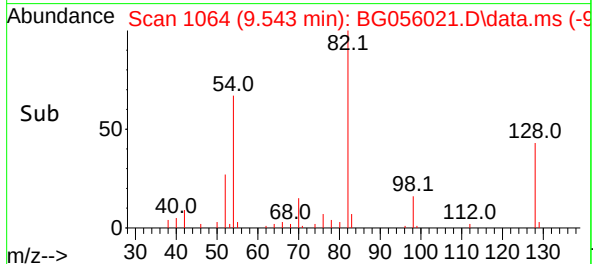
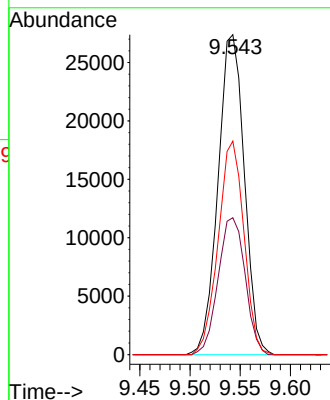
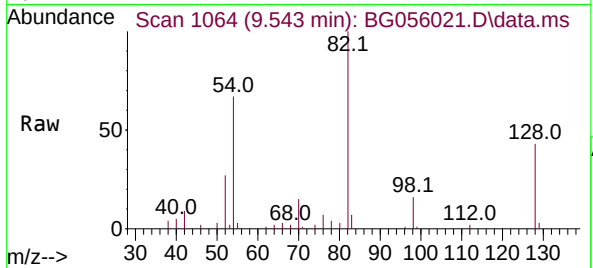
VNJ-201

Tgt Ion: 82	Resp: 4996
Ion Ratio	Lower Upper
82	100
128	42.8 38.4 57.6
54	66.7 53.3 79.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

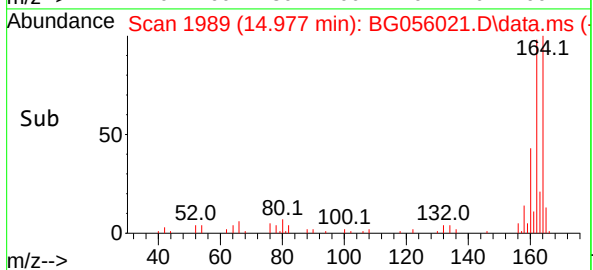
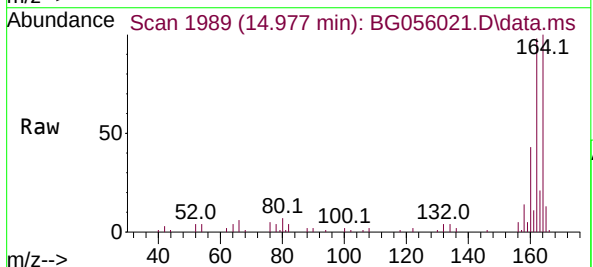
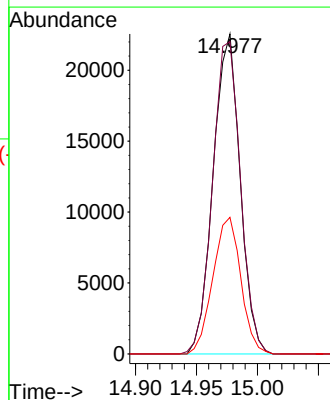
RT: 14.977 min Scan# 1989

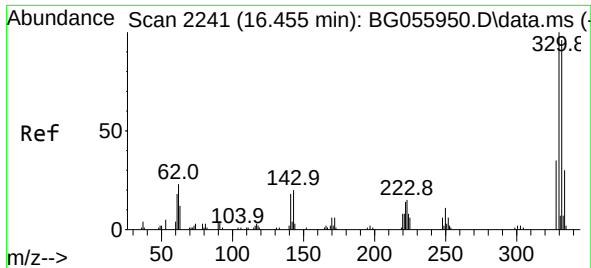
Delta R.T. -0.002 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Tgt Ion:164	Resp: 34638
Ion Ratio	Lower Upper
164	100
162	97.6 79.8 119.8
160	42.7 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 108.293 ng
RT: 16.452 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Instrument :

BNA_G

ClientSampleId :

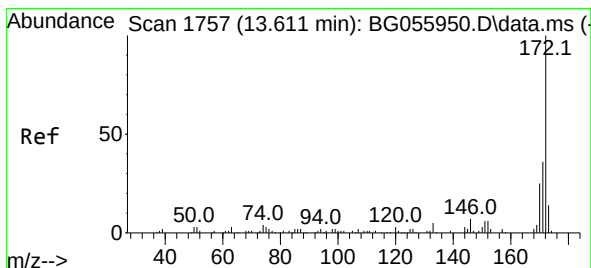
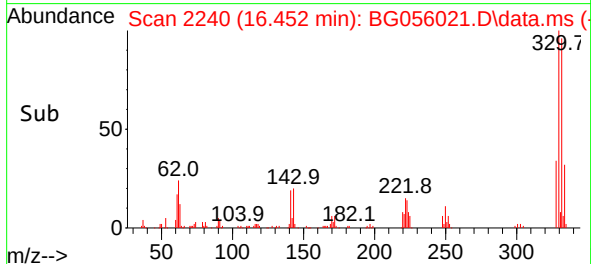
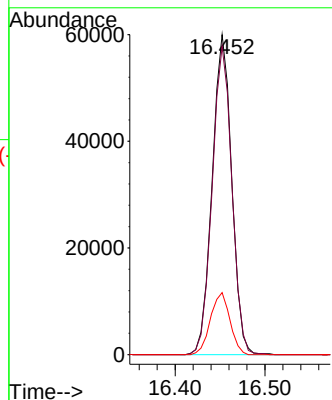
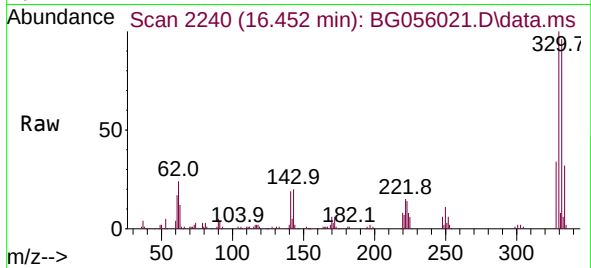
VNJ-201

Tgt Ion:330 Resp: 90449
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 19.3 15.0 22.4

Manual Integrations

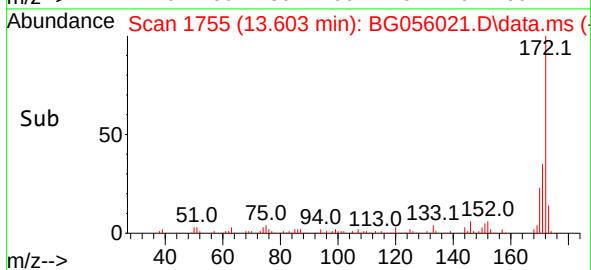
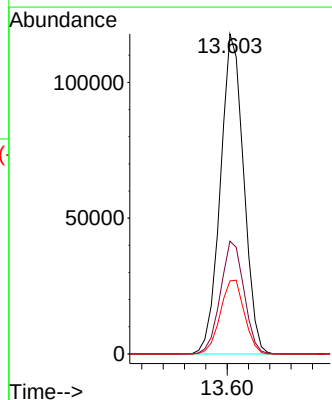
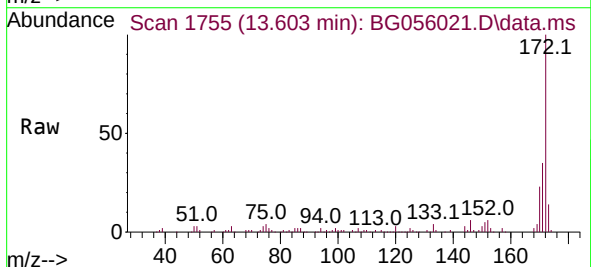
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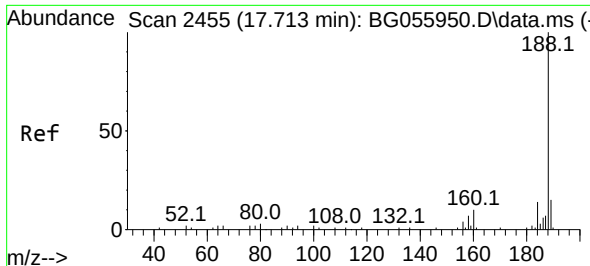
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#45
2-Fluorobiphenyl
Concen: 72.286 ng
RT: 13.603 min Scan# 1755
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

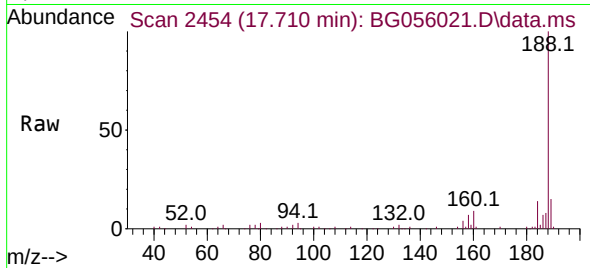
Tgt Ion:172 Resp: 178528
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.8 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2455
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

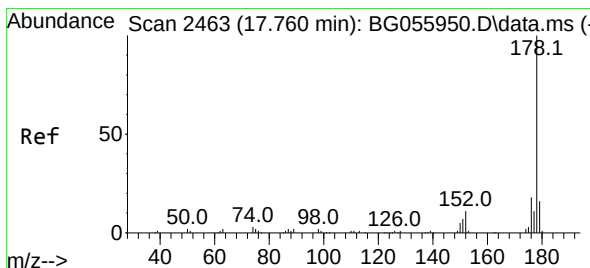
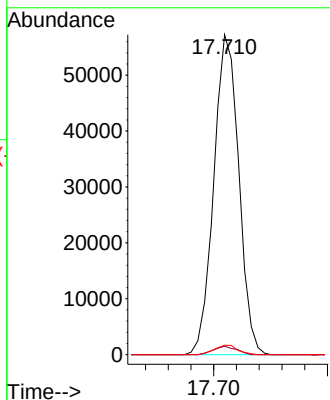
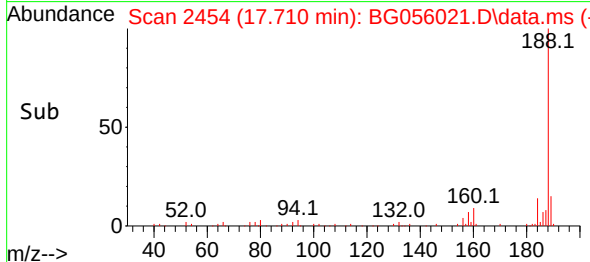
Instrument :
BNA_G
ClientSampleId :
VNJ-201



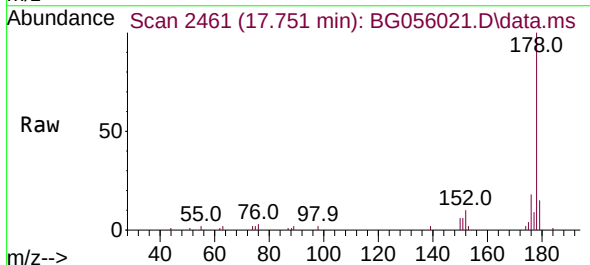
Tgt Ion:188 Resp: 87280
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.9 2.4 3.6

Manual Integrations
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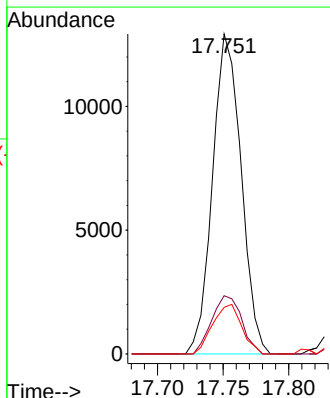
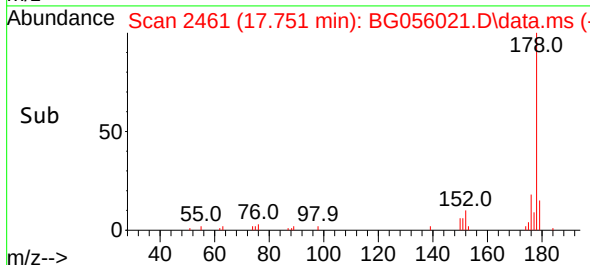
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

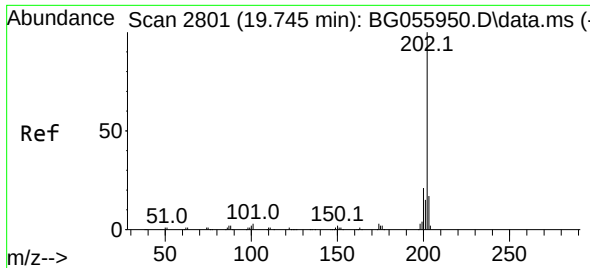


#71
Phenanthrene
Concen: 4.281 ng
RT: 17.751 min Scan# 2461
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11



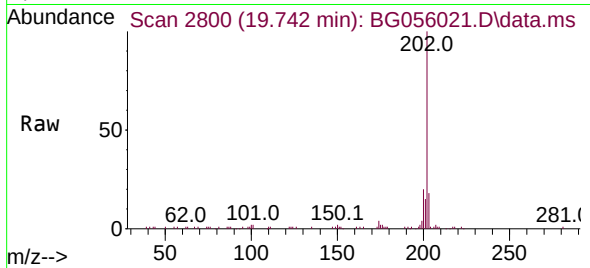
Tgt Ion:178 Resp: 19579
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 14.5 12.7 19.1





#75
Fluoranthene
Concen: 7.529 ng
RT: 19.742 min Scan# 2801
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

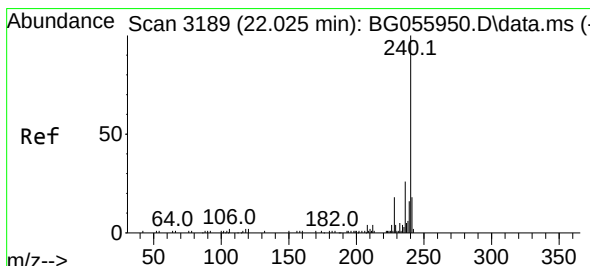
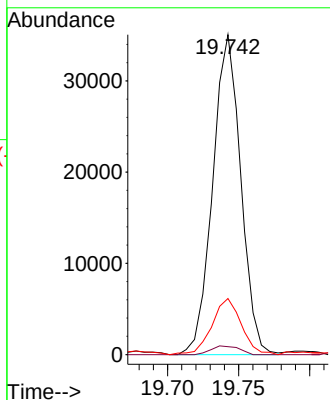
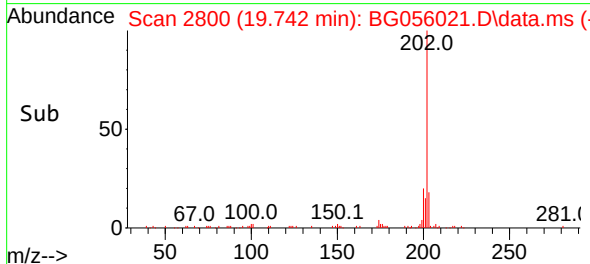
Instrument :
BNA_G
ClientSampleId :
VNJ-201



Tgt Ion:202 Resp: 48222
Ion Ratio Lower Upper
202 100
101 2.5 0.0 22.6
203 17.5 0.0 37.1

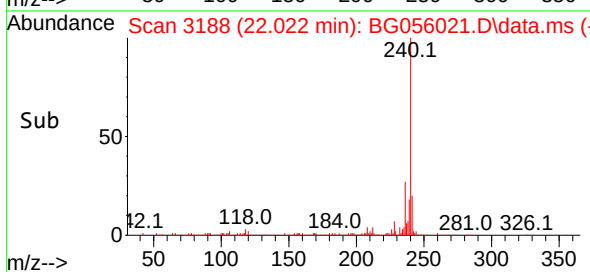
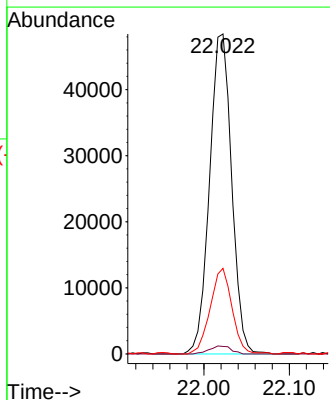
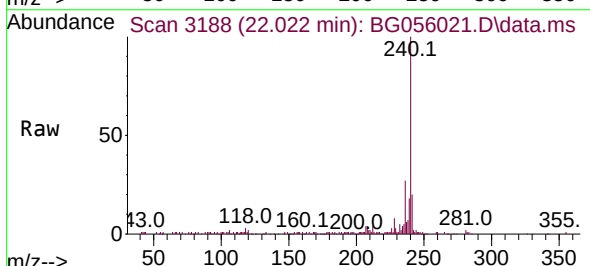
Manual Integrations
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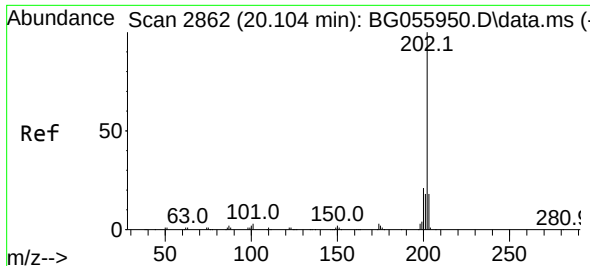
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.022 min Scan# 3188
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

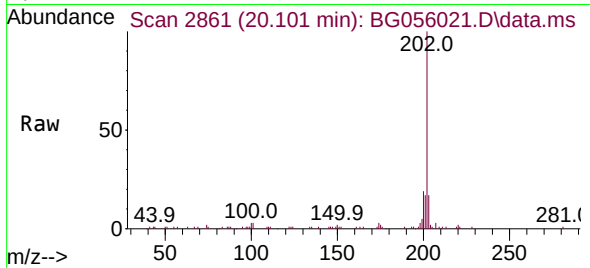
Tgt Ion:240 Resp: 87042
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 26.7 21.1 31.7





#78
Pyrene
Concen: 9.253 ng
RT: 20.101 min Scan# 2861
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

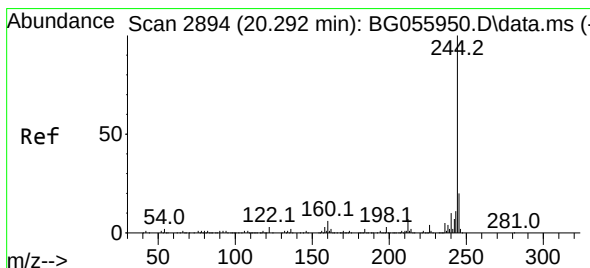
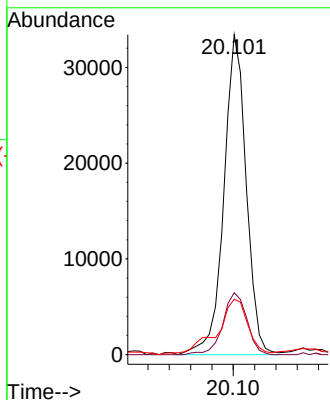
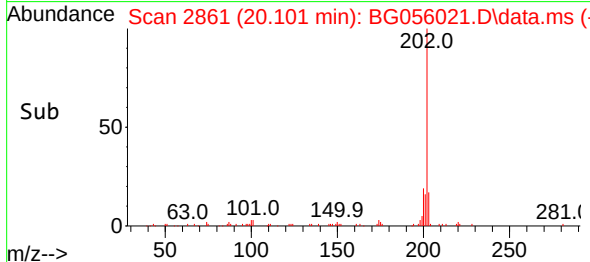
Instrument :
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ClientSampleId :
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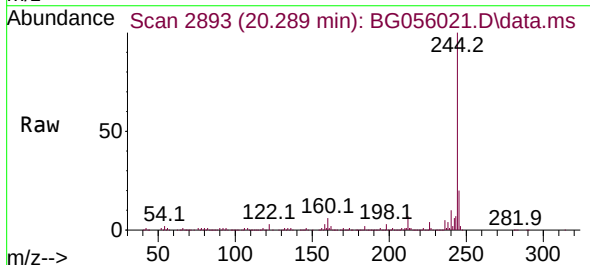
Tgt Ion:202 Resp: 4873
Ion Ratio Lower Upper
202 100
200 19.3 16.7 25.1
203 17.3 14.6 21.8

Manual Integrations
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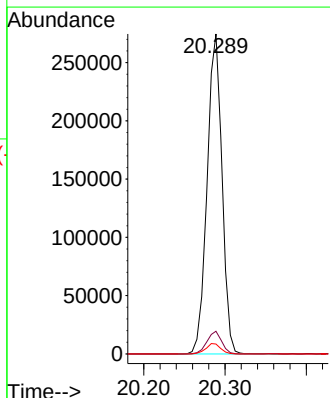
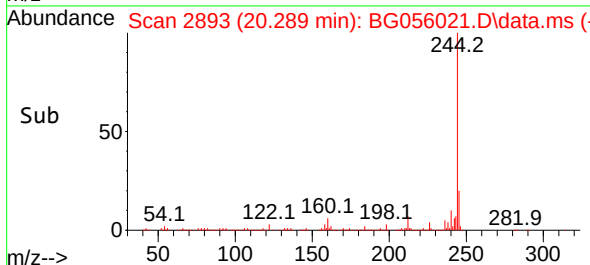
Reviewed By :Christian Giraldo 12/20/2022
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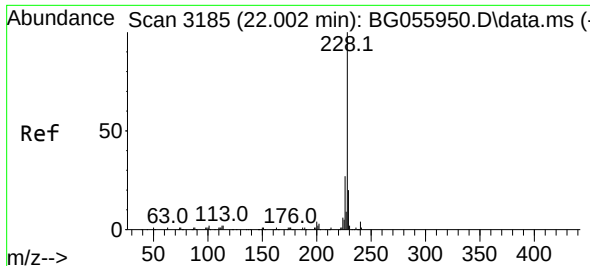


#79
Terphenyl-d14
Concen: 71.060 ng
RT: 20.289 min Scan# 2893
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11



Tgt Ion:244 Resp: 349960
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 3.1 2.5 3.7





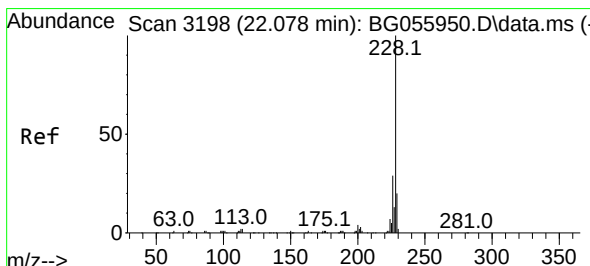
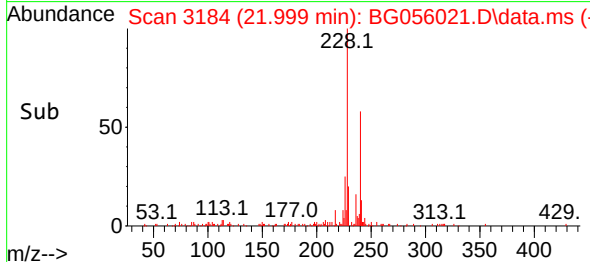
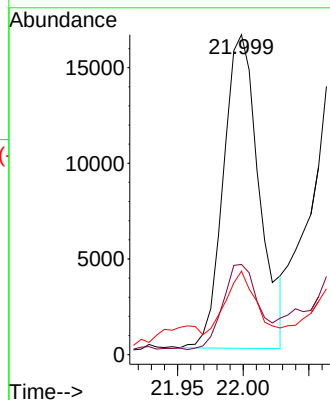
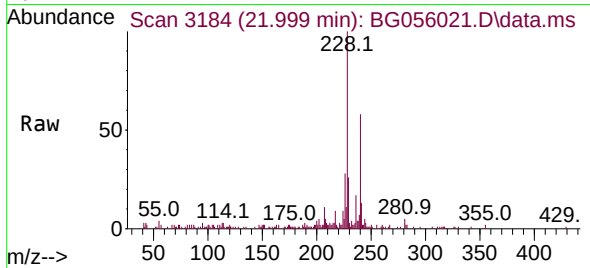
#81
Benzo(a)anthracene
Concen: 5.100 ng
RT: 21.999 min Scan# 3184
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Instrument :
BNA_G
ClientSampleId :
VNJ-201

Tgt Ion:228 Resp: 31237
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 26.1 15.9 23.9

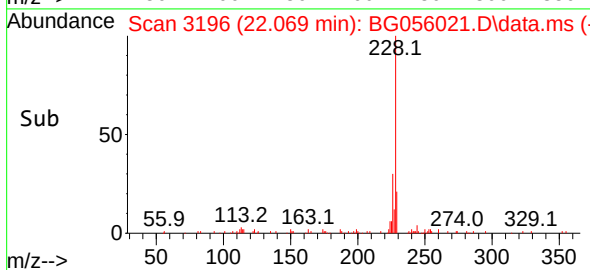
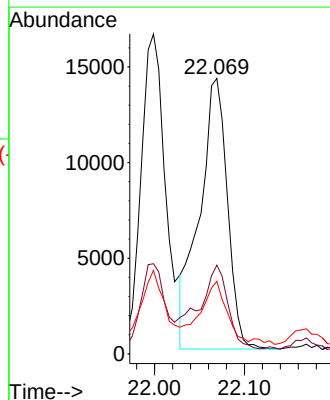
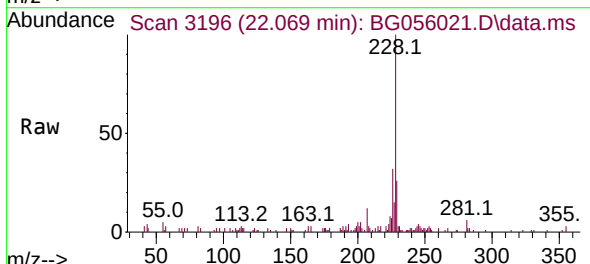
Manual Integrations
APPROVED

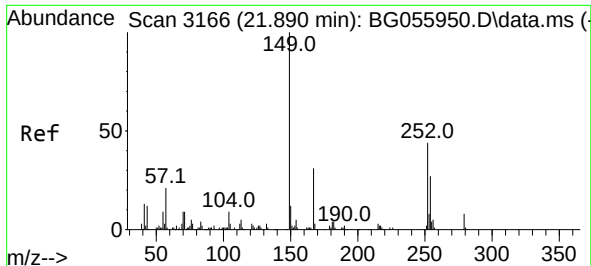
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#83
Chrysene
Concen: 5.354 ng
RT: 22.069 min Scan# 3196
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

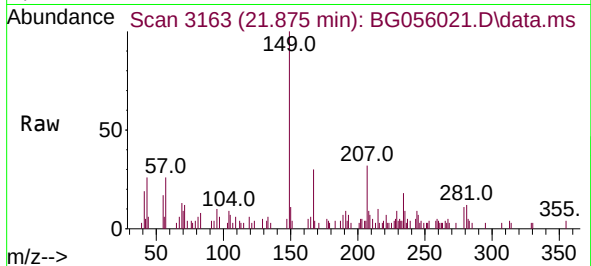
Tgt Ion:228 Resp: 30734
Ion Ratio Lower Upper
228 100
226 32.2 23.1 34.7
229 26.4 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.663 ng
RT: 21.875 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

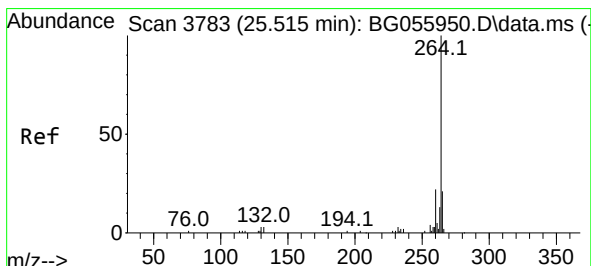
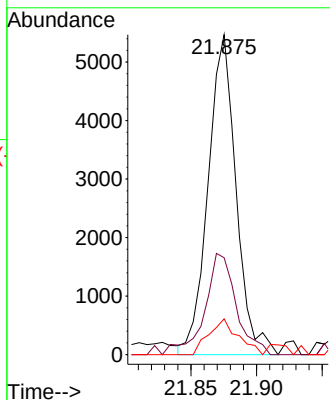
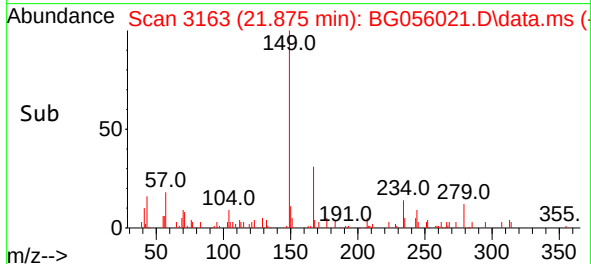
Instrument :
BNA_G
ClientSampleId :
VNJ-201



Tgt Ion:149 Resp: 8123
Ion Ratio Lower Upper
149 100
167 30.3 24.6 36.8
279 11.2 6.3 9.5

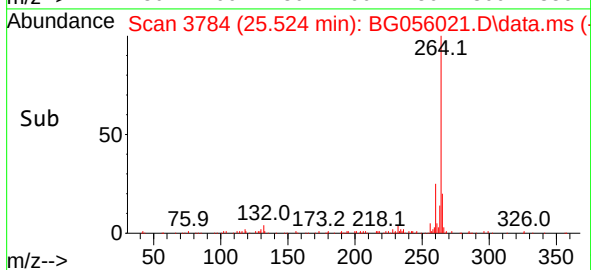
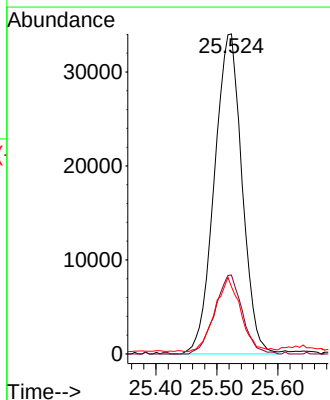
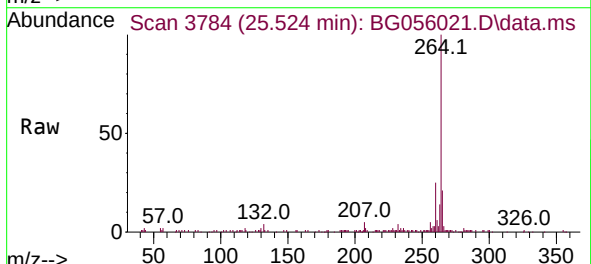
Manual Integrations
APPROVED

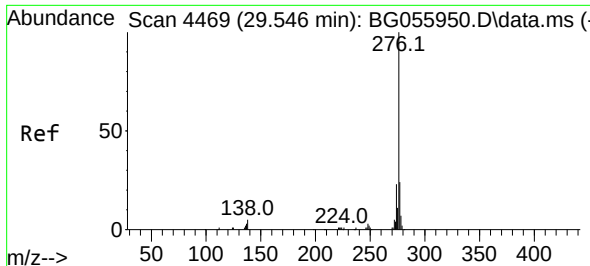
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.524 min Scan# 3784
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Tgt Ion:264 Resp: 107417
Ion Ratio Lower Upper
264 100
260 24.6 17.8 26.8
265 21.0 16.6 25.0





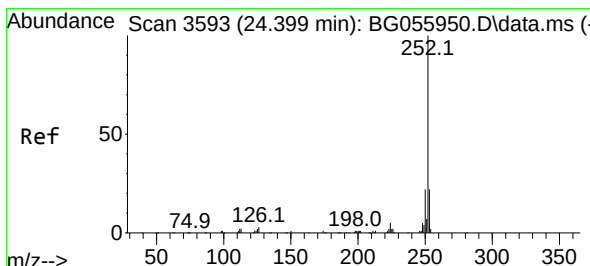
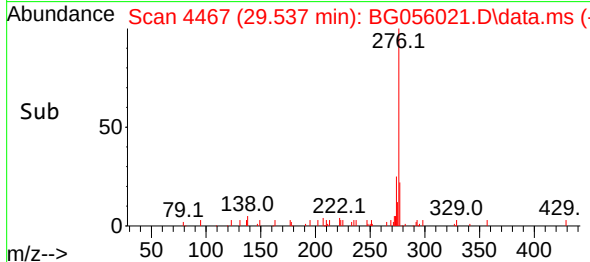
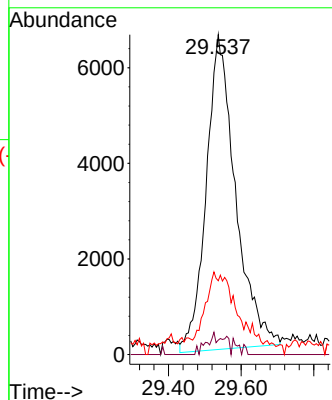
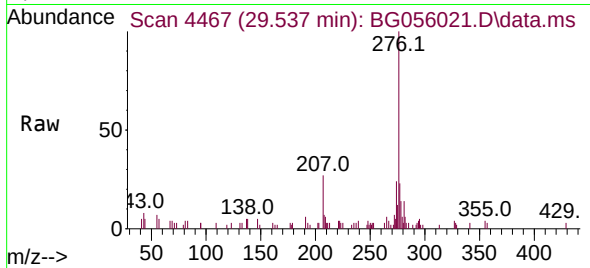
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.263 ng
RT: 29.537 min Scan# 4467
Delta R.T. -0.020 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

Instrument :
BNA_G
ClientSampleId :
VNJ-201

Tgt Ion:276 Resp: 36819
Ion Ratio Lower Upper
276 100
138 2.6 3.0 4.4
277 8.9 20.4 30.6

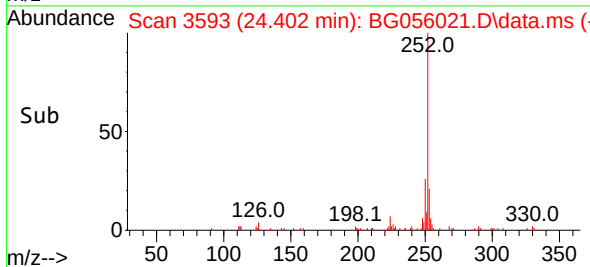
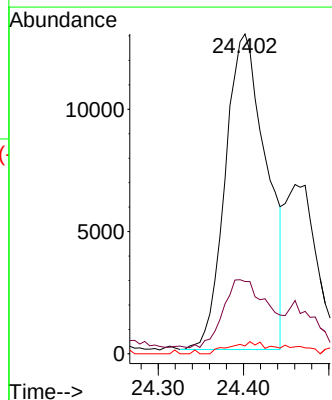
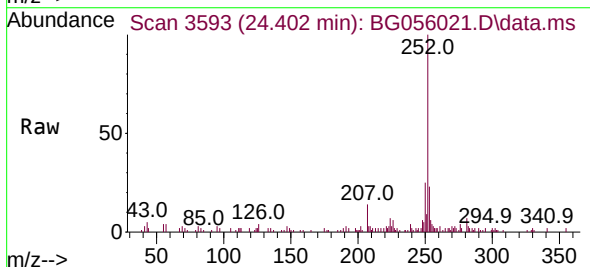
Manual Integrations
APPROVED

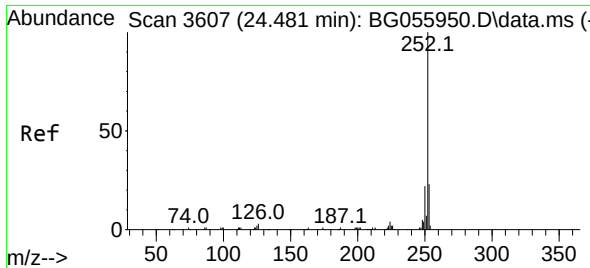
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#88
Benzo(b)fluoranthene
Concen: 6.207 ng
RT: 24.402 min Scan# 3593
Delta R.T. -0.002 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

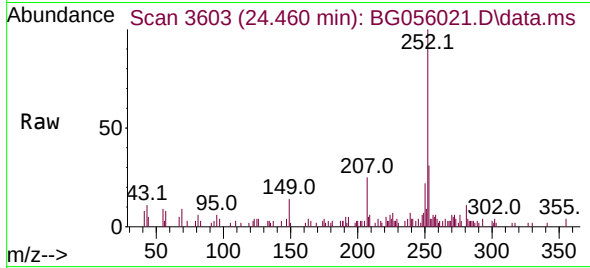
Tgt Ion:252 Resp: 43153
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 2.5 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 2.544 ng m
RT: 24.460 min Scan# 3607
Delta R.T. -0.026 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11

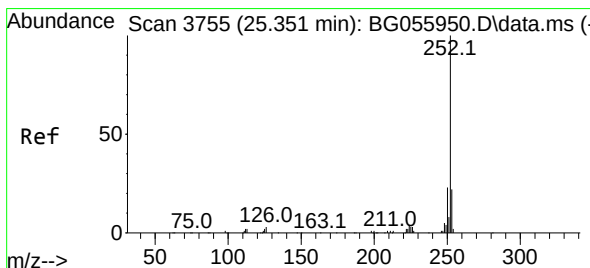
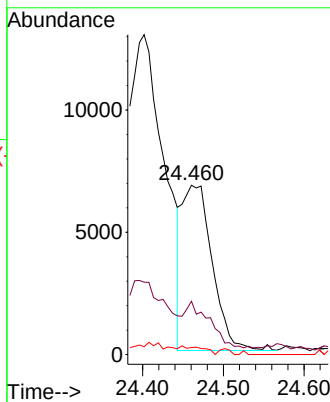
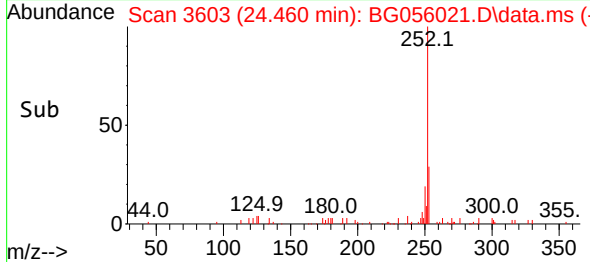
Instrument :
BNA_G
ClientSampleId :
VNJ-201



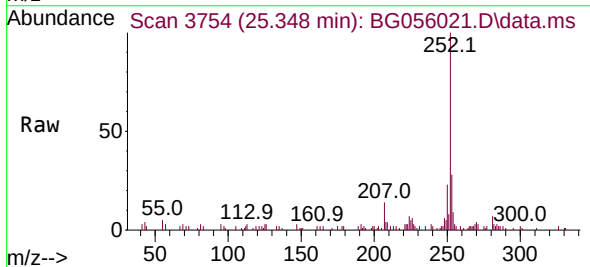
Tgt Ion:252 Resp: 17645
Ion Ratio Lower Upper
252 100
253 31.5 18.2 27.2#
125 4.2 2.0 3.0#

Manual Integrations
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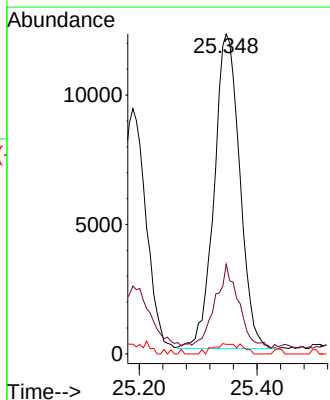
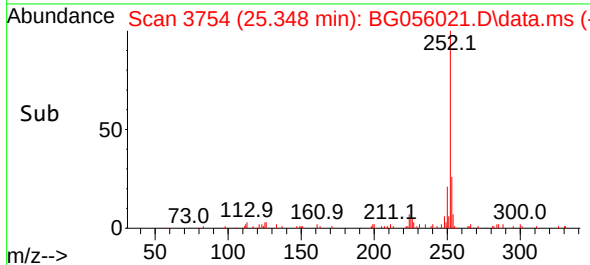
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

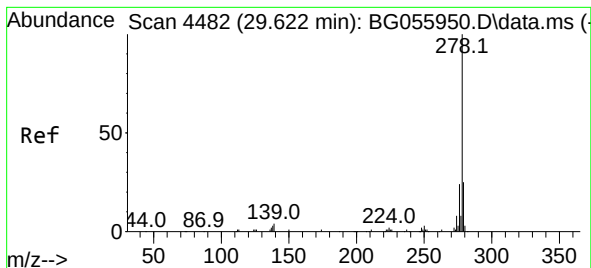


#90
Benzo(a)pyrene
Concen: 6.228 ng
RT: 25.348 min Scan# 3754
Delta R.T. -0.014 min
Lab File: BG056021.D
Acq: 19 Dec 2022 20:11



Tgt Ion:252 Resp: 36600
Ion Ratio Lower Upper
252 100
253 28.0 17.7 26.5#
125 3.0 1.9 2.9#





#91

Dibenzo(a,h)anthracene

Concen: 2.239 ng

RT: 29.607 min Scan# 4482

Delta R.T. -0.032 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Instrument :

BNA_G

ClientSampleId :

VNJ-201

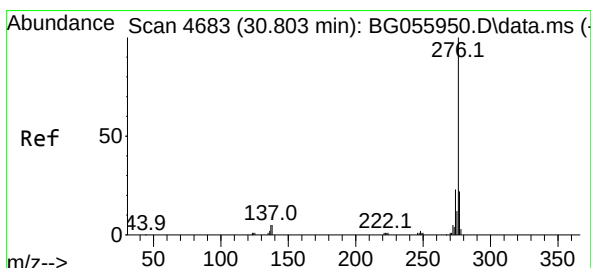
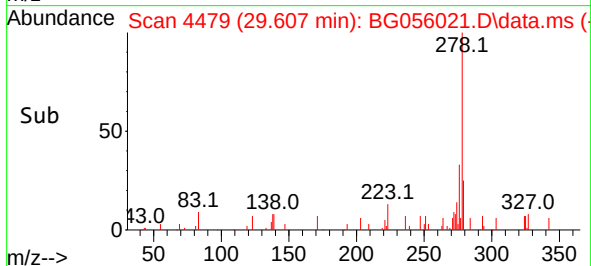
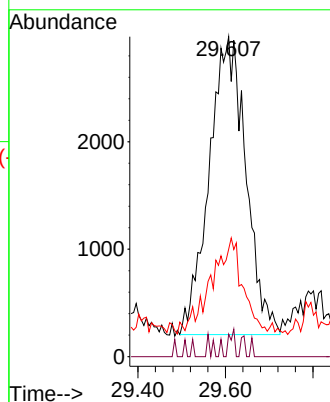
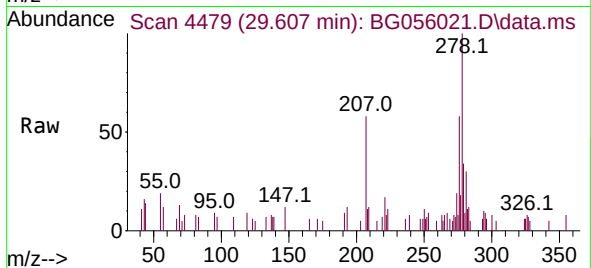
Tgt Ion: 278 Resp: 16185

Ion	Ratio	Lower	Upper
278	100		
139	7.0	2.9	4.3
279	33.6	20.0	30.0

Manual Integrations

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Reviewed By : Christian Giraldo 12/20/2022
Supervised By : mohammad ahmed 12/20/2022



#92

Benzo(g,h,i)perylene

Concen: 5.606 ng

RT: 30.800 min Scan# 4682

Delta R.T. -0.032 min

Lab File: BG056021.D

Acq: 19 Dec 2022 20:11

Tgt Ion: 276 Resp: 39184

Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.8	26.6
138	5.2	3.8	5.6

